## IN THE CLAIMS:

Please replace the presently pending claims with the following complete listing of all claims in the application, wherein any claim cancelled is cancelled without prejudice:

Claims 1-18 (cancelled).

Claim 19. (previously presented) A method of preparing gel particles comprising:

- a) forming a hot aqueous solution of a gelling agent, the solution being gellable at a temperature below the solution temperature;
- b) discharging the hot gelling agent solution through a discharge orifice into a cold moving stream of hydrophobic liquid the cold hydrophobic liquid being immiscible with the gelling agent solution and being at a temperature below the gelling agent gelling point;

wherein the gel particles coalesce from the gelling agent solution in the cold hydrophobic liquid stream.

Claim 20. (previously presented) A method according to claim 19 wherein the cold hydrophobic liquid stream is contained in a conduit, the discharge orifice is located in the conduit and wherein the cold hydrophobic liquid stream moves past the discharge orifice and exerts a force on hot solution in the discharge orifice, the force acting to withdraw the hot solution from the discharge orifice.

Claim 21. (previously presented) A method according to claim 19 comprising

discharging the hot gelling agent through an injection tube, the injection tube terminating in the discharge orifice wherein the discharge orifice is positioned in the moving stream of cold hydrophobic liquid.

Claim 22. (currently amended) A method according to claim 21 comprising containing the cold hydrophobic liquid <u>stream</u> in a conduit <u>wherein the liquid stream flows</u> through the conduit and wherein the injection tube extends into the conduit.

Claim 23. (previously presented) A method according to claim 22 wherein the conduit has a rectilinear portion and the injection tube extends approximately perpendicularly into the rectilinear portion of the conduit.

Claim 24. (previously presented) A method according to claim 22 wherein the conduit has a cross-sectional area of from about 4 to about 100 times the cross-sectional area of the injection tube, optionally at least 25 times.

Claim 25. (previously presented) A method according to claim 22 wherein the ratio of the flow rate of the hot gelling agent solution to the flow rate of the cold hydrophobic liquid is between about 1:2 and 1:50.

Claim 26. (previously presented) A method according to claim 22 wherein the injection tube has an internal diameter of from about 0.05 to about 10 mm.

Claim 27. (previously presented) A method according to claim 22 wherein the conduit has a cross-sectional area of from about 4 to about 400 times the cross-sectional area of the injection tube, the ratio of the flow rate of the hot gelling agent solution to the flow rate of the cold hydrophobic liquid is between about 1:2 and 1:50 and the injection tube has an internal diameter of from about 0.05 to about 10 mm.

Claim 28. (previously presented) A method according to claim 22 comprising cooling the hydrophobic liquid upstream of the discharge orifice.

Claim 29. (previously presented) A method according to claim 28 comprising separating the gel particles from the hydrophobic liquid and recirculating the hydrophobic liquid to the discharge orifice.

Claim 30. (previously presented) A method according to claim 19 wherein the cold hydrophobic liquid stream is contained in a conduit, the hot gelling agent is discharged through an injection tube and the injection tube terminates in the discharge orifice, the discharge orifice being located in the conduit and wherein the cold hydrophobic liquid stream moves past the discharge orifice and exerts a force on hot solution in the discharge orifice, the force acting to withdraw the hot solution from the discharge orifice.

Claim 31. (previously presented) A method according to claim 30 wherein the gel particles are capable of being manually crushed and applied topically by an end user.

Claim 32. (previously presented) A method according to claim 30 wherein the gelling agent comprises a pH stable water-soluble polymer optionally selected from the group consisting of synthetic polymers, vinyl polymers and copolymers, acrylamide polymers and copolymers, natural polymers, polysaccharides, proteins, synthetically modified polysaccharides, synthetically modified proteins, botanically derived gels and carbopol.

Claim 33. (previously presented) A method according to claim 32 wherein the gelling agent solution further comprises a dissolved restraining polymer.

Claim 34. (previously presented) A method according to claim 33 wherein the gelling agent solution further comprises a labile active agent.

Claim 35. (previously presented) A method according to claim 34 wherein the labile active agent is retained in the gel beads by the restraining polymer.

Claim 36. (previously presented) A method according to claim 22 wherein the hot gelling agent solution further comprises an active agent and, optionally, a restraining polymer to retain the active agent in the gel beads.

Claim 37. (previously presented) A method according to claim 19 comprising pumping the hot gelling agent solution from a heated vessel containing a bulk supply of the hot gelling agent solution to the discharge orifice.

Claim 38. (previously presented) A method according to claim 37 comprising recirculating the cold hydrophobic liquid through a cooled tank.

Claim 39. (previously presented) A method according to claim 38 comprising recirculating a coolant between a chiller and the cooled tank to maintain a desired low temperature in the tank.

Claim 40. (previously presented) A method according to claim 37 comprising flowing the hydrophobic liquid containing gel particles over a screen to separate the gel particles from the hydrophobic liquid.

Claim 41. (previously presented) A method according to claim 19 comprising pumping the hot gelling agent solution from a heated vessel containing a bulk supply of the hot gelling agent solution to the discharge orifice, recirculating the cold hydrophobic liquid through a cooled tank, recirculating a coolant between a chiller and the cooled tank to maintain a desired low temperature in the tank and flowing the hydrophobic liquid containing gel particles over a screen to separate the gel particles from the hydrophobic liquid.

Claim 42. (previously presented) A method according to claim 19 comprising selecting the discharge size of the discharge orifice and the velocity of the moving stream of cold hydrophobic liquid according to the desired gel particle size.

Claim 43. (previously presented) A method according to claim 19 wherein the flow rate of the cold hydrophobic liquid is greater than the flow rate of the gelling agent solution.

Claim 44. (previously presented) A method according to claim 19 comprising discharging the gelling agent solution into the cold hydrophobic liquid stream at a flow rate of from about 2.5 to 6.2 ml/min wherein the cold hydrophobic liquid stream moves with a flow rate of from about 10 ml/min to about 300 ml/min.

Claim 45. (previously presented) A method according to claim 19 operated to make beads of from about 2.8 to about 4 mm diameter or from about 0.4 to about 0.7 mm diameter.

Claim 46 (cancelled)

Claim 47. (currently amended) Apparatus according to claim 46 <u>65</u> comprising an injection tube for injecting the hot gelling agent solution into the cold liquid stream, the injection tube being terminated by the discharge orifice, the discharge orifice being located in the cold liquid conduit so that movement of the cold hydrophobic liquid stream past the discharge orifice draws the hot gelling agent solution through the discharge orifice.

Claim 48 (previously presented) Apparatus according to claim 47 wherein the cold liquid conduit has a rectilinear portion and the injection tube extends approximately perpendicularly into the rectilinear portion of the conduit.

Claim 49. (currently amended) Apparatus according to claim 46 <u>65</u> wherein the internal diameter of the cold liquid conduit is greater than the internal diameter of the injection tube, optionally from about 4 to about 400 times the cross-sectional area of the injection tube or, optionally also, at least 25 times the cross-sectional area of the injection tube.

Claim 50. (currently amended) Apparatus according to claim 46 <u>65</u> operable so that the ratio of the flow rate of the hot gelling agent solution to the flow rate of the cold hydrophobic liquid is between about 1:2 and 1: 50.

Claim 51. (currently amended) Apparatus according to claim 46 <u>65</u> wherein the injection tube has an internal diameter of from about 0.05 to about 10 mm, optionally about 0.8 mm.

Claim 52. (currently amended) Apparatus according to claim 46 65 comprising an injection tube for injecting the hot gelling agent solution into the cold liquid, the injection tube being terminated by the discharge orifice, the discharge orifice being located in the cold liquid conduit for the cold hydrophobic liquid stream to move past the discharge orifice and draw the hot gelling agent solution through the discharge

orifice wherein the cold liquid conduit has a rectilinear portion and the injection tube extends approximately perpendicularly into the rectilinear portion of the conduit wherein the internal diameter of the cold liquid conduit is greater than the internal diameter of the injection tube, optionally from about 4 to about 400 times the cross-sectional area of the injection tube, and wherein the ratio of the flow rate of the hot gelling agent solution to the flow rate of the cold hydrophobic liquid is between about 1:2 and 1:50.

Claim 53. (currently amended) Apparatus according to claim 46 65 wherein the cold liquid source comprises a chiller to cool the hydrophobic liquid upstream of the discharge orifice.

Claim 54. (previously presented) Apparatus according to claim 53 comprising a cooled reservoir of the hydrophobic liquid wherein the chiller coupled with the cooled reservoir to cool hydrophobic liquid therein.

Claim 55. (previously presented) Apparatus according to claim 54 wherein the reservoir comprises a tank and the cold hydrophobic liquid can be recirculated through the cooled tank.

Claim 56. (currently amended) Apparatus according to claim 46 65 comprising a separator to separate the gel particles from the hydrophobic liquid the separator being connected with the cold liquid source for recirculation to the discharge orifice of

hydrophobic liquid received from the separator.

Claim 57. (previously presented) Apparatus according to claim 56 wherein the separator comprises a screen.

Claim 58. (previously presented) Apparatus according to claim 55 comprising a separator to separate the gel particles from the hydrophobic liquid the separator being connected to deliver hydrophobic liquid to the cooled tank for recirculation to the discharge orifice.

Claim 59. (currently amended) Apparatus according to claim 46 65 wherein the hot liquid source comprises a heated vessel containing a bulk supply of the hot gelling agent solution.

Claim 60. (previously presented) Apparatus according to claim 59 wherein the heated vessel is jacketed for insulation and comprises a mixer.

Claim 61. (currently amended) Apparatus according to claim 46 65 wherein the apparatus comprises a pump to pump the hot gelling agent solution from the heated vessel to the discharge orifice.

Claim 62. (currently amended) Apparatus according to claim 46 <u>65</u> wherein the hot liquid source comprises a heated vessel containing a bulk supply of the hot gelling

agent solution, the cold liquid source comprises a cooled tank of hydrophobic liquid and the apparatus comprises:

- e) a pump to pump the hot gelling agent solution from the heated vessel to the discharge orifice;
- f) recirculating apparatus to recirculate the cold hydrophobic liquid through the cooled tank;
- g) a chiller to cool the cooled tank;
- h) a screen to separate the gel particles from the hydrophobic liquid; and
- i) flow-directing apparatus direct the flow of hydrophobic liquid containing gel particles over the screen to separate the gel particles from the hydrophobic liquid.

Claim 63 (cancelled).

Claim 64. (new) Gel beads produced by a method according to claim 19.

Claim 65. (new) Apparatus performing the method of claim 19 comprising:

- a) a hot liquid source of a hot aqueous solution of a gelling agent, the solution being gellable at a temperature below the solution temperature;
- a cold liquid conduit carrying a cold moving stream of hydrophobic liquid the cold hydrophobic liquid being immiscible with the gelling agent solution and being at a temperature below the gelling agent gelling point;
- c) a discharge tube having a discharge orifice and discharging the hot gelling agent

solution through the discharge orifice into the cold moving stream of hydrophobic liquid in the conduit;

wherein the gel particles coalesce from the gelling agent solution in the cold hydrophobic liquid stream.